Date: Wed, 20 Apr 94 14:33:36 PDT

From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>

Errors-To: Info-Hams-Errors@UCSD.Edu

Reply-To: Info-Hams@UCSD.Edu

Precedence: Bulk

Subject: Info-Hams Digest V94 #438

To: Info-Hams

Info-Hams Digest Wed, 20 Apr 94 Volume 94 : Issue 438

Today's Topics:

10Mhz WWV Receiver Antenna Hamfest Help

Help: form-310

Internet > Packet gateways??
IPS Daily Report - 19 April 94
Kenwood TH-78A *OR* Yaesu FT-530
Last Minute Dayton Questions

mail list

Missing: Good HF Propagation

PLEASE HELP: Take MBTI/Classical-Romantic Sorter

radio in caves

Unidentified Signals on 15 Meters

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu> Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu> Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 20 Apr 94 19:58:24 GMT From: news-mail-gateway@ucsd.edu Subject: 10Mhz WWV Receiver Antenna

To: info-hams@ucsd.edu

I recently acquired a "Heath Most Accurate Clock II" (I was surprised they were still in business) and I am having a problem with reception. The unit only receives WWV/H on 10 Mhz. Heath sells a dipole but I am not in a position to be able to install one. It is being used here at work to keep my LAN file server clock synchronized. Our building has an available mast mount available so I am looking for some kind of mast mounted gain antenna (directional if

possible) for 10 Mhz. Does anyone know where such an antenna could be obtained? I have checked the various dealer magazines and the closest things I can find are tri-banders which cover the 30M band.

Date: 20 Apr 94 19:14:31 GMT From: news-mail-gateway@ucsd.edu

Subject: Hamfest Help To: info-hams@ucsd.edu

Anybody know when the Rochester (used to br Dearfield), New Hampshire hamfest is going to be?????

Clark Fishman WA2UNN cfishman@pica.army.mil

Date: Tue, 19 Apr 1994 02:54:25 GMT

From: news.iij.ad.jp!wnoc-tyo-news!aist-nara!wnoc-kyo-news!hiroshima-u!grape!

humpty!ka2sho.mis.hiroshima-u.ac.jp!harada@uunet.uu.net

Subject: Help: form-310 To: info-hams@ucsd.edu

Hi, amateur buffs,

My American callsign expires 6/22/94. I have already mailed to FCC requesting a copy of FORM-310. So far, no answer from them. Even though there is a grace period, I would like to do the paper work right now.

If you have a spare FORM-310, may I have it? I have my mailing address in U.S. However, getting the form in Japan is much more convenient for me.

Waiting for your e-mail.

73 de ka2sho (== ja4mci)

- -

+++++++++++++++++++++++++++++++++++++++				
Koichi Harada				
Hiroshima University				
harada@aspen.mis.hiroshima-u.ac.jp 81(Japan) 824-24-6475 (voice)				
824-24-0756 (FAX)				

Date: Tue, 19 Apr 1994 23:45:04 GMT From: ihnp4.ucsd.edu!library.ucla.edu!news.ucdavis.edu!csus.edu!netcom.com! parker@network.ucsd.edu Subject: Internet > Packet gateways?? To: info-hams@ucsd.edu				
You can try telnetting into 44.16.0.61. That's the JPL Internet link in Pasadena. They might still have the direct conference link which is a 3600 port number, so just add 3600 at the end of the telnet address. As far as I know, there is no password required. Good luck.				
Andrew Parker KD6TGM parker@netcom.com				
Andrew Parker KD6TGM parker@netcom.com				
Andrew Parker KD6TGM parker@netcom.com				
Andrew Parker KD6TGM parker@netcom.com This signature is extra lean. It will not contain more than 15% fat.				
Andrew Parker KD6TGM parker@netcom.com This signature is extra lean. It will not contain more than 15% fat.				
Andrew Parker KD6TGM parker@netcom.com This signature is extra lean. It will not contain more than 15% fat.				
Andrew Parker				
Andrew Parker				

1A. SOLAR SUMMARY Activity: low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number: 085/027

1B. SOLAR FORECAST

20 April 21 April 22 April
Activity Low Very low Very low
Fadeouts None expected None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number: 085/027

1C. SOLAR COMMENT

None.

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: mostly quiet to unsettled, with one active period.

Estimated Indices : A K Observed A Index 18 April

Learmonth 12 4333 2222

Fredericksburg 17 20 Planetary 18 19

Observed Kp for 18 April: 3443 4433

2B. MAGNETIC FORECAST

DATE Ap CONDITIONS 20 Apr 15 Unsettled.

21 Apr 12 Quiet to unsettled. 22 Apr 12 Quiet to unsettled.

2C. MAGNETIC COMMENT

None.

3A. GLOBAL HF PROPAGATION SUMMARY

LATITUDE BAND

DATE LOW MIDDLE HIGH 19 Apr normal normal fair

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

LATITUDE BAND

DATE LOW MIDDLE HIGH 20 Apr fair normal normal 21 Apr normal normal fair 22 Apr normal fair normal

3C. GLOBAL HF PROPAGATION COMMENT

HF comms quality should continue to improve.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY MUFs at Sydney were near predicted monthly values

Observed T index for 19 April: 40

Predicted Monthly T Index for April is 40.

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE T-index MUFs

20 Apr 40 Near predicted monthly values.

21 Apr 40 Near predicted monthly values.

22 Apr 40 Near predicted monthly values.

4C. AUSTRALIAN REGION COMMENT

Some spread F observed during local night. Propagation conditions should continue to improve.

- -

IPS Regional Warning Centre, Sydney | IPS Radio and Space Services

email: rwc@ips.oz.au fax: +61 2 4148331 | PO Box 5606

RWC Duty Forecaster tel: +61 2 4148329 | West Chatswood NSW 2057

Recorded Message tel: +61 2 4148330 | AUSTRALIA

Date: 20 Apr 94 19:58:24 GMT

From: sdd.hp.com!nobody@hplabs.hp.com

Subject: Kenwood TH-78A *OR* Yaesu FT-530

To: info-hams@ucsd.edu

I have a TH-78A. I'd like to point out a couple of misconceptions below:

In article <STEVE.94Apr19184558@hobbes.vigra.com> steve@vigra.com writes: >The Yaesu has "CTCSS" included while it's an extra option on the >Kenwood.

This is not true. The Kenwood has both PL encode and decode (the decode is somewhat useful for screening out intermod.). The Kenwood does not have PL scan. (BTW, PL and CTCSS are synonyms which describe the use of a subaudible tone to break squelch on a receiver. Many repeaters require a PL tone in order for them to key up.)

>The Yaesu has 82 memories, the Kenwood 50 (expandable to 250?). The >Yaesu has a light-up keypad, and I don't think the Kenwood does.

The TH-78's keypad is lit. This is not true for the single band TH-28 and TH-48. Note also that the memory capacity is cut in half if you use the 6 character labels.

Despite some deficiencies, I have been happy with my 78. The 6 character display is a real winner for me. Maybe I just have a weak mind, but I find it extremely useful to have 6 characters to remind me what is in each of my 100+ programmed memories.

The deficiencies I have noticed are:

- 1: Intermod. I live in direct line of sight with, and about two miles away from a mountaintop packed with commercial transmitters (Mount Soledad for you locals). Let us say that it is an RF rich environment. 2M repeaters without PL are all but useless to me from home. Even the machines with PL are difficult for me to copy sometimes. 440 is OK, though.
- 2: User Interface. Let's just say arcane, complex, nonintuitive, difficult. I don't know if this is any different than on any other HT.

The workarounds for the above problems are trivial: I only use 440 at home. I have no intermod problems out in the woods mountain biking. And I have a quick ref card which describes most of the things I need to do.

Again I've been very happy with my TH-78A. If you don't care about the alphanumeric display, the Yaesu is almost certainly as good or better. If intermod bothers you very much, I have heard that Standard radios are good in that regard.

Good luck with your choice!

- -

Craig Bosworth, KD6WQH Hewlett-Packard, San Diego Division craigb@sdd.hp.com 619 592-8609

Date: 20 Apr 94 17:50:05 GMT

From: agate!howland.reston.ans.net!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!

math.ohio-state.edu!cs.utexas.edu!swrinde!gatech!birdie-blue.cis.pitt.edu!

pitt.edu!ebe@ucbvax.berkeley.edu

Subject: Last Minute Dayton Questions

To: info-hams@ucsd.edu

I realize these might be FAQs but I've scanned the old message headers at our site and have not seen any discussion.

What happened with the Dayton buses? Last I heard the only bus transportation being provided was by the hotels.

I've been going to Dayton for more years then I can remember and this was the first year the pre-registration package didn't show up. Did everyone else get theirs? (Just wondering how long the line will be.)

Elmer Beachley N3KIL ebe+@pitt.edu

Date: 20 Apr 94 20:40:53 GMT From: news-mail-gateway@ucsd.edu

Subject: mail list To: info-hams@ucsd.edu

subscribe mail list Evert Halbach

Date: 20 Apr 94 17:52:17 GMT

From: agate!overload.lbl.gov!dog.ee.lbl.gov!ihnp4.ucsd.edu!usc!cs.utexas.edu!

convex!convex!neptune!cowart@ucbvax.berkeley.edu

Subject: Missing: Good HF Propagation

To: info-hams@ucsd.edu

ham@wam.umd.edu (Scott Richard Rosenfeld) writes:

>Missing: Decent HF Propagation. Last seen about 2 weeks ago, floating >through the ether at around 14.020 MHz. However, it has been slowly >going away for about 4 years, since I last worked India with my dipole.

>If anyone should find my missing propagation, PLEASE send it to:

>ham@wam.umd.edu or just send it in the direction of Burtonsville, MD.

>I miss it very much, and would really like it back.

>Thanks, and 73

>Scott NF3I

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Hey Scott,
20 meters was wide open last night at 0400Z, maybe longer (that's when I went
to bed)!
Short skip (300 miles), medium skip (1000 miles) and long skip (South Pacific)!!
Are you sharing that propagation?
%^)
73's,
Mike
WA5CMI
-----
Date: 19 Apr 1994 17:31:01 -0400
From: sgiblab!swrinde!cs.utexas.edu!howland.reston.ans.net!news.ans.net!
hp81.prod.aol.net!search01.news.aol.com!not-for-mail@ames.arpa
Subject: PLEASE HELP: Take MBTI/Classical-Romantic Sorter
To: info-hams@ucsd.edu
I know...I know...This is off topic. But I need a wide sample and the end of
the semester is near.
Please have mercy and make an exception... :-)
Thanks!
MBTI/CLASSICAL-ROMANTIC SELF-ASSOCIATION SORTER
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The following survey is intended to determine what correlation, if any, exists between Myers-Briggs attitude types and romantic/classical self-associations. Correlations will be determined through the analysis of statistical data representing the results of this questionnaire. MBTI tendencies will be ascertained by analyzing responses to the Keirsey Temperament Sorter. Romantic/classical self-associations will be determined by analyzing respondent selections from lists of word-pairs and various multiple choice questions.

If you participate in this survey, please specify you internet address below and I will send you an analysis of the results of this survey as well as your personal MBTI and classical/romantic self-association results. Thanks in advance for helping me with this project.

Sincerely, William Wise (Internet: WillWise@aol.com)				
YOUR INTERNET ADDRESS :				
If this survey has reached you through a local system (not through the internet), simply state that you would like to receive your results in the space provided above.				
SECTION I - KEIRSEY TEMPERAMENT SORTER (MBTI)				
PLEASE READ THESE INSTRUCTIONS CAREFULLY				
Select only ONE answer from each pair of possible responses. Indicate your answer with an 'X' placed between the appropriate set of brackets. NOTE: If you are already familiar with your personal Myers-Briggs Type Indicator or Keirsey Temperament Sorter result you may specify it in the space provided immediately below and skip to SECTION II of the survey.				
PREVIOUS MBTI RESULT, IF ANY: [] If you have taken the Myers-Briggs Type Indicator or Keirsey Temperament Sorter before and remember your test result please record it in the space provided above and skip to SECTION II of the survey.				
This test is Copyright (C) 1978 By David Keirsey and Marilyn Bates.				
<pre>01. At a party do you [] interact with many, including strangers [] interact with a few, known to you</pre>				
02. Are you more [] realistic than speculative [] speculative than realistic				
03. Is it worse to [] have your "head in the clouds" [] be "in a rut"				
<pre>04. Are you more impressed by [] principles [] emotions</pre>				
<pre>05. Are you more drawn toward the [] convincing [] touching</pre>				

[]	Do you prefer to work to deadlines just "whenever"			
[]	Do you tend to choose rather carefully somewhat impulsively			
[]	At parties do you stay late, with increasing energy leave early, with decreased energy			
[]	Are you more attracted to sensible people imaginative people			
[]	Are you more interested in what is actual what is possible			
[]	In judging others are you most swayed by laws than circumstances circumstances than laws			
[]	In approaching others is your inclination to be somewhat objective personal			
[]	Are you more punctual leisurely			
[]	Does it bother you more having things incomplete completed			
[]	In your social groups do you keep abreast of other's happenings get behind on the news			
[]	In doing ordinary things are you more likely to do it the usual way do it your own way			
[]	Writers should "say what they mean and mean what they say" express things more by use of analogy			

[]	Which appeals to you more consistency of thought harmonious human relationships		
[]	Are you more comfortable in making logical judgments value judgments		
[]	Do you want things settled and decided unsettled and undecided		
[]	Would you say you are more serious and determined easy-going		
[]	In phoning do you rarely question it will all be said rehearse what you'll say		
[]	Facts "speak for themselves" illustrate principles		
[]	Are visionaries somewhat annoying rather fascinating		
[]	Are you more often a cool-headed person a warm-hearted person		
[]	Is it worse to be unjust merciless		
[]	Should one usually let events occur by careful selection and choice randomly and by chance		
[]	Do you feel better about having purchased having the option to buy		
[]	In company do you initiate conversation wait to be approached		

[]	Common sense is rarely questioned frequently questionable			
[]	Children often do not make themselves useful enough exercise their fantasy enough			
[]	In making decisions do you feel more comfortable with standards feelings			
[]	Are you more firm than gentle gentle than firm			
[]	Which is more admirable the ability to organize and be methodical the ability to adapt and make do			
[]	Do you put more value on the definite open-ended			
[]	Does new and non-routine interaction with others stimulate and energize you tax your reserves			
[]	Are you more frequently a practical sort of person a fanciful sort of person			
[]	Are you more likely to see how others are useful see how others see			
[]	Which is more satisfying: to discuss an issue thoroughly to arrive at agreement on an issue			
[]	Which rules you more: your head your heart			
[]	Are you more comfortable with work that is contracted done on a casual basis			

[]	Do you tend to look for the orderly whatever turns up			
[]	Do you prefer many friends with brief contact a few friends with more lengthy contact			
[]	Do you go more by facts principles			
[]	Are you more interested in production and distribution design and research			
[]	Which is more of a compliment: "There is a very logical person." "There is a very sentimental person."			
[]	Do you value in yourself more that you are unwavering devoted			
[]	Do you more often prefer the final and unalterable statement tentative and preliminary statement			
[]	Are you more comfortable after a decision before a decision			
[]	Do you Speak easily and at length with strangers find little to say to strangers			
[]	Are you more likely to trust your experience hunch			
[]	Do you feel more practical than ingenious more ingenious than practical			
[]	Which person is more to be complimented: on of clear reason strong feelings			

[]	Are you inclined more to be fair-minded sympathetic			
[]	Is it preferable mostly to make sure things are arranged just let things happen			
	In relationships should most things be re-negotiable random and circumstantial			
[]	When the phone rings do you hasten to get to it first hope someone else will answer			
[]	Do you prize more in yourself a strong sense of reality a vivid imagination			
[]	Are you drawn more to fundamentals overtones			
[]	Which seems the greater error: to be too passionate to be too objective			
[]	Do you see yourself as basically hard-headed soft-hearted			
[]	Which situation appeals to you more: the structured and scheduled the unstructured and unscheduled			
[]	Are you a person that is more routinized than whimsical whimsical than routinized			
[]	Are you more inclined to be easy to approach somewhat reserved			
	In writings to you prefer the more literal the more figurative			

[]	Is it harder for you to identify with others utilize others			
[]	7. Which do you wish more for yourself] clarity of reason] strength of compassion			
[]	. Which is the greater fault:] being indiscriminate] being critical			
[]	69. Do you prefer the [] planned event [] unplanned event			
70. Do you tend to be more [] deliberate than spontaneous [] spontaneous than deliberate				
SECTION II - CLASSICAL/ROMANTIC SELF-ASSOCIATION SORTER				
02. 03. 04. 05. 06. 07. 08. 09. 11. 13. 14. 15. 16. 17. 18. 19. 20.	[] Restraint [] Satisfied [] Pure [] Eternal [] Divine [] Planned [] Thoughts [] Serene [] Ideal [] Elegant [] Linear [] Order [] Level-headed [] Lawful [] Communal [] Traditional [] Balanced [] Relational	[] Dionysian [] Complexity [] Uninhibited [] Insatiable [] Intermingled [] Eternity [] Mystical [] Spontaneous [] Feelings [] Untamed [] Imperfect/Real [] Raw [] Erratic [] Chaos [] Intoxicated [] Decadent [] Individual [] Novel [] Active [] Personal [] Irrational		
22. 23.	[] Calm [] Untroubled	[] Energizing [] Stimulating		

```
24. [ ] Tranquil [ ] Exciting 25. [ ] Certainty [ ] Surprise
                               [ ] Ecstatic
26. [ ] Placid
27. [] Non-confrontational [] Bold
28. [] Mind [] Hear
                               [] Heart
29. [ ] Reason
                               [ ] Emotion
30. [ ] Public
                               [ ] Private
31. [ ] Control
                               [ ] Energy
32. [ ] Grid
                               [ ] Tangle
33. [ ] True
                               [ ] Satisfying
34. [ ] Limit
                               [ ] Unlimited
                               [ ] Excitement
35. [ ] Harmony
                               [] Nature
36. [ ] God
37. [ ] Pre-planned 38. [ ] Well-fitted
                              [ ] Impulsive
                               [ ] Unique
39. [ ] Familiar
                              [ ] Strange
40. [ ] Finite
                               [ ] Infinite
END OF SURVEY
Date: Tue, 19 Apr 1994 17:27:55
From: ncrgw2.ncr.com!ncrhub2!jupiter.WichitaKS.NCR.COM!WichitaKS.NCR.COM!
kthompso@uunet.uu.net
Subject: radio in caves
To: info-hams@ucsd.edu
In article <CoGzo9.K66@cup.hp.com> jholly@cup.hp.com (Jim Hollenback) writes:
>From: jholly@cup.hp.com (Jim Hollenback)
>Subject: Re: radio in caves
>Date: Mon, 18 Apr 1994 19:33:44 GMT
>John Derry (derry@NeXTwork.Rose-Hulman.Edu) wrote:
>: howdy
>: Question: What would be the best band for radio communication inside
>: of caves.
>: =========
>: Don;
>: Write to the NSS. (Does it still exist?) There was an article on this
>: quite a while back.
>: 73 de Jack, K9CUN (used to be spelunker)
>having never tried it, I would opt for 2 mtrs or 70 cm. Seems the VHF/ low
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>UHF would bounce around before being attenuated. I think HF would be absorbed.

>Of course the range might be some what dismal, it is after all >line-of-sight :-)

Generally in developed underground locations leaky coaxial cable is used to provide paths for radio signals.

Are you exploring an undeveloped cave?

Date: 20 Apr 94 18:35:56 GMT

From: dog.ee.lbl.gov!ihnp4.ucsd.edu!usc!cs.utexas.edu!not-for-

mail@ucbvax.berkeley.edu

Subject: Unidentified Signals on 15 Meters

To: info-hams@ucsd.edu

You can occasionally here some strange things on the ham bands but for the most part they can be dismissed as pirates, commercial intruders, harmonics, etc. Today at 1730 UTC (20 April) I heard the following. Can anyone identify what this is? Its source?

Freq. Repeated CW 21.189.9 E E 21.199.3 T E E 21.281.4 T T T 21.285.0 T T

These were all very weak. Seemed to peak NE/SW direction from Dallas. The signal characteristics lead me to believe that these are all from the same source. The signals continued the above modulation sequences for at least 15 minutes.

kris AA5U0

Date: 20 Apr 1994 02:26:58 GMT

From: sgiblab!swrinde!gatech!news-feed-1.peachnet.edu!apollo1.cacd.rockwell.com!

newsrelay.iastate.edu!news.iastate.edu!sknapp@ames.arpa

To: info-hams@ucsd.edu

References <CoC5ns.JGC@scilink.org>, <WY1Z.94Apr16132358@bach.coe.neu.edu>, <1994Apr18.073427.9277@news.unr.edu>ock

Subject: Re: dual band: is (one of) Yaesu, Icom, or Kenwood a good choice?

I had an Icom 2SAT, then a 24AT, and ended up with a FT530.

I love the backlit keypad and display. I like the size of the radio, and the 'quality feel' of the radio. The user interface needs work.

The differences from my Icom's were minor and I got over it. But one thing I wish the 530 did was in SET mode (where some of the more 'obscure' settings are) the keys are all redefined but not labled. AND to help even more, you can not just hit a key to see what it is without changing that setting. I would like to have a way to poke around for a setting w/out changing anything.

I really liked Icom's SET mode, it was a menu like thing where you used the arrow keys to choose the field, then the tuning knob to change that setting.

Each radio has its quirks. Find the one where the quirks least annoy you.

Steven M. Knapp Computer Engineering Senior sknapp@iastate.edu Vice President Cyclone Amateur Radio Club Iowa State University; Ames, IA; USA Durham Center Operations Staff

End of Info-Hams Digest V94 #438 ************